

San Diego Municipal Code

Land Development Code

Landscape Standards

Appendix D

Approved Irrigation Materials List

1. REDUCED PRESSURE BACKFLOW PREVENTERS AND ENCLOSURES:

1.1 Reduce Pressure Backflow Preventers

(Assemblies shall include all necessary Test Cocks with Full Port Valves included.) Febco #825Y BV; #825YAR Febco #880 'N' Shape Febco #880V Vertical Wilkins #575 RP Hershey Beeco FRP-11/6 CM Series Watts 009 Series; 909 Series **1.2 Backflow**

Enclosures

(Sharp edges are not allowed on enclosures)

Rain Man #117371A (Zinc Plated, with 2 Coats Black Polyurethane Baked -On Paint)

Strong Box #SBBC - Al or Ali (Aluminum)

Le Meur (Stainless Steel Mesh)

All-Spec (Stainless Steel Mesh)

2. IRRIGATION CONTROLLERS AND ENCLOSURES:

2.1 Irrigation Controllers

Irritrol MC-Plus

Rainbird ISC

Rainmaster RME Series

Cal Sense 2100/et-1

2.2 Controller Enclosures

(Stainless Steel only)

All Spec

La Max

Strong Box

Rain Man

3. MASTER CONTROL VALVES:

(24 volt, Electric, Bronze, Normally Open)

Griswold 2160

Superior 3100

4. FLOW SENSORS DEVICES:

Data Industrial Flow Sensor 220P

Data Industrial Meter 600

Cal Sense FM Series

5. PRESSURE REDUCING VALVES:

(Pilot Operated, Stainless Steel Trim)

CLA-VAL #90-01BS (1 1/4" - 3" Size)

CLA-VAL #90-01BS (4" and Larger)

(With Stainless Steel Trim for Manual and Pilot Valves)

Bailey #400

Wilkins #500

Watts 25 AUB Series

6. ISOLATION VALVES:

- 6.1 Globe Valves - 3" and Smaller Bronze**
Wilkins #215
Champion #100
Buckner #22000
- 6.2 Gate Valves - 4" and Larger Cast Iron**
Clow
Mueller
I.O.W.A.
- 6.3 Locking Cap for Globe/Gate Valve Sleeves**
Rainbird #63100 with #2049 Key
Buckner #72

7. REMOTE CONTROL VALVES:

- (24-volt Electric, Bronze, Normally Closed)
Rainbird EFB-CP Series
Superior 950-DW; 4000 (Reclaimed)
Griswold DWS and DW-PRS Series
Toro 216 Series

8. QUICK COUPLING VALVES:

- 8.1 Quick Coupling Valves - Two Piece with Locking Cover**
Rainbird #44 LRC
Buckner #25016
- 8.2 Quick Coupling Valve Keys - Single Lug**
Rainbird #44K
Buckner #25011
- 8.3 Reclaimed Water Quick Coupling Valves - One Piece, Red Brass Acme - Thread with Locking Lavender Cover**
Toro #474-44
Nelson #7645
- 8.4 Reclaimed Water Quick Coupling Valve Key - Acme-thread**
Toro #464-03
Nelson #7641

9. IRRIGATION BOXES:

- 9.1 Remote Control Valve Boxes and Pull Boxes with Cast Iron Locking Lid**
Concrete: Brooks #3-HL
Concrete: Christy #B3-3 with B3TL
Concrete: San Diego Precast
Concrete: J & R 3HL
- 9.2 Quick Coupling Valve Boxes with Concrete Lid**
Concrete: Brooks #1-RD
Concrete: Christy #F-8 with F8D
Concrete: San Diego Precast #1A

10. IRRIGATION HEADS:

- 10.1 Pop-Up Rotor Heads, Oversize - Full Circle With 50' - 60' Radius**
Rainbird #41-51A SAM-RC, R-70FC, Talon TA-80-FC w/S.S. Riser Buckner #11360-06 Hunter #I-40, I-25 (With Factory Installed Nozzles) Toro 640, S2001
- 10.2 Pop-Up Rotor, Heads Oversize - Part Circle With 50' - 60' Radius**
Rainbird #47A SAM-RC, R-70FC, Talon TA-85-PC w/S.S. Riser Hunter #I-40 Ads, I-25 ADV/ADS (With Factory-installed Nozzles) Toro 640, S2001
- 10.3 Shrub & Pop-Up Rotor Heads, Standard - Full Circle With 40' - 50' Radius**
Rainbird #31A RC, Falcon, T-Bird Buckner #10060-06 Hunter #I-20, I-25 (With Factory-installed Nozzles) Toro 640, S700C
- 10.4 Shrub & Pop-Up Rotor Heads, Standard - Part Circle With 40' - 50' Radius**
Rainbird #37A RC, Falcon w/stainless steel riser, T-Bird Buckner #10061-06 or #17061-06 Hunter #I-20 ADS, I-25 ADV/ADS (With Factory-installed Nozzles) Toro 640, S700C
- 10.5 Shrub & Pop-Up Rotor Heads Undersize - Full Circle With 30' - 40' Radius**
Rainbird #21A RC Buckner #11330-06 Hunter #I-20 (With Factory-installed Nozzles) Toro S700C
- 10.6 Shrub & Pop-Up Rotor Heads Undersize - Part Circle With 30' - 40 Radius**
Rainbird #27A RC Buckner #11300-06 Series Hunter #I-20 ADS (With Factory-installed Nozzles) Toro S700C
- 10.7 Shrub & Pop-Up Rotor Heads Short Range - Full or Part Circle With 16' - 30' Radius**
Rainbird T-Bird Hunter G Series, Stainless Steel Toro S700C
- 10.8 Brass Impact Rotor Heads (Riser Mount) Oversize - Full or Part Circle With 60' - 70' Radius**
Rainbird #35 PJADT-TNT (With 1/4" Nozzle) Buckner AI-103 or AI-123
Standard - Full or Part Circle With 45' - 50' Radius
Rainbird #35 PJADJ-TNT (With 3/16" Nozzle) Buckner AI-73 BU
Undersize - Full or Part Circle With 30' - 40' Radius
Rainbird #25 BPJDA-TNT (With 5/32" Nozzle) Buckner AI-53SB-AB
- 10.9 Shrub Spray Heads -Fixed - Full or Part Circle**
Rainbird #B Series with PA-8S Adapter,
Rainbird 1800 Series with PA-8S PRS (Pressure Regulating Riser)
Hunter #I-10 and "R" Type (90,180, and 360 Degrees Only; with factory-installed

nozzles)

Thompson #460 Series

Toro #570S with Adapter

10.10 Shrub Spray Heads - Plastic Pop Ups Full or Part Circle

Rainbird #1800 Series, 1800 Sam, 1800 Sam PRS,

Rainbird 1800 with Microsprays

Toro #570

Hunter "S" or "R" Type (90, 180, and 360 Degrees Only)

10.11 Shrub Bubblers Pressure Compensating Flood Type

Rainbird #1400 Series

Buckner #13000 and #13001

Thompson #700A

10.12 Shrub Bubblers Pressure Compensating Stream Type

Rainbird #1500 Series

Buckner #13010

11. ANTI-DRAIN/EXCESS FLOW VALVES:

Valcon #ADV-XS, #ADV

King Brother's KBI

12. PIPE AND FITTINGS:

12.1 Cast Iron Fittings/ Ductile Iron Fittings for Mainline (AWWA-C110) Short Body/Cement Lined

Dayton Foundry Tyler Pipe and Foundry Leemco-Slant Bell Fittings

12.2 Cast Iron Joint Restraints:

Leemco

12.3 Polyvinyl Chloride Pipe (PVC):

EPCO

Pacific Plastic

PW Pipe

J-M Mfg.

Finn

Apache

Browline

Alertline (Reclaimed Water)

Waterwarn (Reclaimed Water)

12.4 Polyvinyl Chloride Pipe (PVC) Fittings:

Dura

Lasco

Sloan

Plastiline

Spears

12.5 Swing Joints/Height Adjusters

Dura

Toro 850 Series

Olson TSR-1

13. **TRENCH MARKER TAPE:**
Allen Marking Tape Paul Potter Warning Tape, Inc. 'Alarmatape'
14. **WIRE CONNECTORS:**
Pen-Tite
Dry Splice